BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF THE PROJECT: CONSTRUCTION OF SCHOOL BUILDING AT SINGAPURA IN WARD NO -11

MEASUREMENT SHEET

Second & Part Bill

Client — **Sri, Kumar Raju (M/s Sri Vinayaka Builders) #10, Gokul Nilaya, dhanalakshmi Layout,Thindlu Main Road, Opp Indian Oil Petrol Bank,Vidyaranyapura, Bangalore-560097**

Chainage in m From	Chainage in m To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate Rs	Amount Rs	Remarks
Item No. 16		Providing and removing centering, shuttering, strutting, propping etc. and Removal of form Work for columns, pillars, piers, post and struts, square / rectangular / polygon in plan including cost of all materials, labour complete as per specificaiton.									
Measurements taken on		16/2/22									
			Sqm								
		Vide Total executed Quantity from premeasuremet Page no. 01						15.80			
		Tender Qunatity						113.62			
		Now To be Paid Quantity						15.80	530.00	8371.35	
Item No. 17		Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for suspended floors, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specificaitons for heights more than 3.50m from ground level. - 0 to 5 mtrs.									
Measurements taken on											
			Sqm								
		Vide Total executed Quantity from premeasuremet Page no. 02						367.79			
		Tender Qunatity						314.66			
		Quantity Upto 125%						367.79	460	169185.06	
Item No. 18		Providing and removing centering, shuttering, strutting, propping etc., for edges of slabs and breaks in floors including cost of all materials,labour complete as per specifications.									
			Sqm								
		Vide Total executed Quantity from premeasuremet Page no. 03						14.03			
		Tender Quantity						24.18			
		Now To be Paid Quantity						14.03	860.00	12064.08	
Item No. 19		Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specificaitons.									
Measurements taken on											
			Sqm								
		Vide Total executed Quantity from premeasuremet Page no. 04						200.76			
		Tender Qunatity						173.81			
		Quantity Upto 125%						200.76	340.00	68257.38	
Item No. 20		Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for **Stairs** (excluding landing) except spiral staircase including cost of all materials, labour complete as per specificaiton.									
Measurements taken on											
			Sqm								
		Vide Total executed Quantity from premeasuremet Page no. 05						23.37			
		Tender Qunatity						17.63			
		Quantity Upto 125%						22.04	580.00	12781.75	
		Quantity Above 125%						1.33	589.62	785.67	
Item No. 21		Providing and removing centering, shuttering, strutting, propping etc., for chajjas, corbels etc. , including edges including cost of all materials, labour complete as per specificaiton.									
Measurements taken on											
			Sqm								
		Vide Total executed Quantity from premeasuremet Page no. 06						24.00			
		Tender Qunatity						13.50			
		Quantity Upto 125%						16.88	380.00	6412.50	
		Quantity Above 125%						7.13	366.25	2609.51	

CONTRACTOR

ASSISTANT ENGINEER

Asst. Executive Engineer
ASSISTANT EXECUTIVE ENGINEER
BBMP, Bangalore - 92

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF THE PROJECT: CONSTRUCTION OF SCHOOL BUILDING AT SINGAPURA IN WARD NO -11

MEASUREMENT SHEET

Second & Part Bill

Client: Sri, Kumar Raju (M/s Sri Vinayaka Builders) #10, Gokul Nilaya, dhanalakshmi Layout,Thindlu Main Road, Opp Indian Oil Petrol Bank,Vidyaranyapura, Bangalore-560097

Chainage in m From	To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate Rs	Amount Rs	Remarks
Item No. 23		Providing and laying in position reinforced cementconcrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum andfine aggregtes @ 0.47cum,with superplastisiser @3lts confirming to IS 9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick,vibrated fo all works in ground Floor level for roof slabs ,staircase, lintels , beams, retaining walls ,return wall, walls (an thivck ness) including attached plasters ,columns, pillars,posts,struts.butters,string or lacing courses ,parapets,coping,bed blocks,anchor blocks ,plain window cills,fillets including cost of all materials, labour,HOM of machinery, curing, complete as per specifications.									
Measurements taken on		31/05/21									
		Ground Floor									
		Column	Cum	12	0.3	0.45	3.3	5.346			
			Cum	6	0.3	0.45	3.15	2.5515			
		Lintel									
		Through Lintel	Cum	1	19.6	0.2	0.15	0.588			
			Cum	1	6.3	0.2	0.15	0.189			
			Cum	1	7.7	0.2	0.15	0.231			
		Cut Lintel	Cum	3	1.4	0.2	0.15	0.126			
		Staircase									
		Waist slab (flight 1)	Cum	1	4.1	1.2	0.15	0.738			
		Waist slab (flight 2)	Cum	1	3.69	1.2	0.15	0.6642			
		Landing	Cum	1	2.8	1.25	0.15	0.525			
		Steps	Cum	24	1.25		0.0225	0.675			
				Triangular area 0.5*.15*.3=0.0225							
		Stairs Beam	Cum	2	3	0.2	0.45	0.54			
							Total Executed Quantity	12.17			
							Tender Qunatity	4.46			
							Quantity Upto 125%	5.58	6900	38467.50	
							Quantity Above 125%	6.60	7653.87	50505.61	
Item No. 24		Providing and laying in position reinforced cementconcrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum andfine aggregtes @ 0.47cum,with superplastisiser @3lts confirming to IS 9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick,vibrated fo all works in ground Floor level for roof slabs ,staircase, lintels , beams, retaining walls ,return wall, walls (an thivck ness) including attached plasters ,columns, pillars,posts,struts.butters,string or lacing courses ,parapets,coping,bed blocks,anchor blocks ,plain window cills,fillets including cost of all materials, labour,HOM of machinery, curing, complete as per specifications.									
Measurements taken on		31/05/21.									
		Ground Floor									
		Column	Cum	12	0.3	0.45	3.3	5.35			
			Cum	6	0.3	0.45	3.15	2.55			
		Lintel									
		Through Lintel	Cum	1	19.6	0.2	0.15	0.59			
			Cum	1	6.3	0.2	0.15	0.19			
			Cum	1	7.7	0.2	0.15	0.23			
		Cut Lintel	Cum	3	1.4	0.2	0.15	0.13			
		Staircase									
		Waist slab (flight 1)	Cum	1	4.1	1.2	0.15	0.74			
		Waist slab (flight 2)	Cum	1	3.69	1.2	0.15	0.66			
		Landing	Cum	1	2.8	1.25	0.15	0.53			
		Steps	Cum	24	1.25		0.0225	0.68			
				Triangular area 0.5*.15*.3=0.0225							
		Stairs Beam	Cum	2	3	0.2	0.45	0.54			
							Total Executed Quantity	12.17			
							Tender Qunatity	11.05			
							Quantity Upto 125%	12.17	6800.00	82781.16	

31/5/21

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

31/5/21

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

CONTRACTOR

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF THE PROJECT: CONSTRUCTION OF SCHOOL BUILDING AT SINGAPURA IN WARD NO -11

MEASUREMENT SHEET

Second & Part Bill

Client: Sri, Kumar Raju (M/s Sri Vinayaka Builders) #10, Gokul Nilaya, dhanalakshmi Layout,Thindlu Main Road, Opp Indian Oil Petrol Bank,Vidyaranyapura, Bangalore-560097

Chainage in m From	To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate Rs	Amount Rs	Remarks
Item No. 25		Providing and laying cement concrete using 20 mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete (RMC) for R.C.C works laid in 15 cms thick layers and well compacted including vibrating, curing, etc for all super Structure works with all lead and Lift etc., complete (exclusive of cost of steel and fabrication charges) Ready mixed cement for concrete with M-25.									
Measurements taken on		31/05/24									
		Ground Floor									
		Beam									
		B1	Cum	1	20.2	0.3	0.45	2.73			
		B2	Cum	1	6.395	0.3	0.45	0.86			
		B3	Cum	1	6.395	0.3	0.3	0.58			
		B4	Cum	1	12.91	0.3	0.3	1.16			
		B5	Cum	1	20.2	0.3	0.3	1.82			
		B6, B8, B10	Cum	3	9	0.3	0.3	2.43			
		B9	Cum	3	9	0.3	0.45	3.65			
		B7	Cum	1	2.55	0.3	0.3	0.23			
		Slab	Cum	1	20.2	9.6	0.15	29.09			
		Deduction									
		Stairscase	Cum	-1	3.74	2.68	0.15	-1.50			
		First Floor									
		First Floor									
		Beam									
		B1	Cum	1	20.2	0.3	0.45	2.73			
		B2	Cum	1	6.395	0.3	0.45	0.86			
		B3	Cum	1	6.395	0.3	0.3	0.58			
		B4	Cum	1	12.91	0.3	0.3	1.16			
		B5	Cum	1	20.2	0.3	0.3	1.82			
		B6, B8, B10	Cum	3	9	0.3	0.3	2.43			
		B9	Cum	3	9	0.3	0.45	3.65			
		B7	Cum	1	2.55	0.3	0.3	0.23			
		Slab	Cum	1	20.2	9.6	0.15	29.09			
		Deduction									
		Stairscase	Cum	-1	3.74	2.68	0.15	-1.50			
							Total Executed Quantity	**82.07**			
							Tender Qunatity	**60.29**			
							Quantity Upto 125%	**75.36**	6300.00	474783.75	
							Quantity Above 125%	**6.71**	7032.50	47167.63	
Item No. 26		Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 27.20kgs, with 12mm and down size graded granite metal coarse aggregates @0.5865cum and fine aggregtes @ 0.391cum, with superplastisiser @0.225lts, machine mixed, well compacted for plain chajja of 8.5 cms. average thickness, upto First Floor level, including cost of all materials, labour, HOM of machinery, finishing, curing, complete as per specifications.									
Measurements taken on											
		Ground Floor									
		Chajja	Sqm	10	1.8	0.6		10.80			
							Total Executed Quantity	**10.80**			
							Tender Qunatity	**4.50**			
							Quantity Upto 125%	**5.63**	560	3150.00	
							Quantity Above 125%	**5.18**	562.41	2910.47	

Executive Engineer Project Division Yelahanka Zone BBMP, Bangalore-92

31/5/24

Asst. Executive Engineer Project Division Yelahanka Zone BBMP, Bangalore - 92

ITRACTOR

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF THE PROJECT: CONSTRUCTION OF SCHOOL BUILDING AT SINGAPURA IN WARD NO -11

MEASUREMENT SHEET

Second & Part Bill

Client: Sri, Kumar Raju (M/s Sri Vinayaka Builders) #10, Gokul Nilaya, dhanalakshmi Layout,Thindlu Main Road, Opp Indian Oil Petrol Bank,Vidyaranyapura, Bangalore-560097

Chainage in m From	To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate Rs	Amount Rs	Remarks
Item No. 27		Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 27.20kgs, with 12mm and down size graded granite metal coarse aggregates @0.5865cum and fine aggregtes @ 0.391cum, with superplastisiser @0.225lts, machine mixed, well compacted for plain chajja of 8.5 cms. average thickness, upto First Floor level, including cost of all materials, labour, HOM of machinery, finishing, curing, complete as per specifications.									
Measurements taken on											
		First Floor									
		Chajja	Sqm	10	1.8	0.6		10.80			
							Total Executed Quantity	**10.80**			
							Tender Qunatity	**9.00**			
							Quantity Upto 125%	**10.80**	540	5832.00	
Item No. 28		Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.									
Measurements taken on											
			tonne								
		Vide Total executed Quantity from premeasuremet Page no. 08						**19.38**			
							Tender Qunatity	**7.95**			
							Quantity Upto 125%	**9.94**			
							Quantity Above 125%	**9.44**			
							DPQ Qty paid in 1st RA Bill	**11.12**			
							Quantity Above 125%	**8.26**	99121.44	818913.12	
Item No. 29		Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.									
Measurements taken on											
			tonne								
		Vide Total executed Quantity from premeasuremet Page no. 08						7.73			
							Tender Qunatity	**7.15**			
							Quantity Upto 125%	**7.73**	87450	676174.86	
Item No. 30		Providing and constructing load bearing wall with solid concrete blocks of size 400X200X200mm having block density not less than 1800kg/m3 having a minimum average compressive strength 5.00N/mm2 confirming to IS 2185 (part 1) :2005 and constructed with cement mortar 1:4,as per IS 2572:2005 including cost of materials, labour charges, scaffolding, curing, hire charges of machinaries etc., complete as per specifications.									
Measurements taken on		12-06-2021 to 12/7/2021									
		Ground Floor									
		Long Walls	Sqm	1	20.2		2.85	57.57			
			Sqm	1	13.5		3.3	44.55			
		Short Walls	Sqm	2	7.7		3.3	50.82			
			Sqm	1	7.7		3.15	24.26			
			Sqm	1	6.25		3.3	20.63			
			Sqm	1	6.5		3.3	21.45			
		Deduction									
		Column	Sqm	-15	0.3		0.45	-2.03			
		D1	Sqm	-3	1.2		2.1	-7.56			
		W	Sqm	-10	1.5		1.5	-22.50			
							Total Executed Quantity	**187.19**			
							Tender Qunatity	**81.68**			
							Quantity Upto 125%	**102.10**	1230	125583.00	
							Quantity Above 125%	**85.09**	1034.11	87988.00	

S.E. (Project)

Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore-92

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

Chd. & fd.

CONTRACTOR

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF THE PROJECT: CONSTRUCTION OF SCHOOL BUILDING AT SINGAPURA IN WARD NO -11

MEASUREMENT SHEET

Second & Part Bill

Client: Sri, Kumar Raju (M/s Sri Vinayaka Builders) #10, Gokul Nilaya, dhanalakshmi Layout,Thindlu Main Road, Opp Indian Oil Petrol Bank,Vidyaranyapura, Bangalore-560097

Chainage in m		Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate Rs	Amount Rs	Remarks
From	To										
Item No. 31		Providing and constructing load bearing wall with solid concrete blocks of size 400X200X200mm having block density not less than 1800kg/m3 having a minimum average compressive strength 5.00N/mm2 confirming to IS 2185 (part 1) :2005 and constructed with cement mortar 1:4,as per IS 2572:2005 including cost of materials, labour charges, scaffolding, curing, hire charges of machinaries etc., complete as per specifications.									
Measurements taken on		27/07/2021 & 16/02/2022									
		First Floor									
		Long Walls	Sqm	1	20.2		2.85	57.57			
			Sqm	1	13.5		3.3	44.55			
		Short Walls	Sqm	2	7.7		3.3	50.82			
			Sqm	1	7.7		3.15	24.26			
			Sqm	1	6.25		3.3	20.63			
			Sqm	1	6.5		3.3	21.45			
		Deduction									
		Column	Sqm	-15	0.3		0.45	-2.03			
		D1	Sqm	-3	1.2		2.1	-7.56			
		W	Sqm	-10	1.5		1.5	-22.50			
							Total Executed Quantity	187.19			
							Tender Qunatity	191.23			
							Now To be Paid Quantity	187.19	1250.00	233981.25	
									Sub Total	2928705.00	
									GST Charges (12% of estimated cost)	351445.00	
									Total Amount	3280150.00	

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

CONTRACTOR ASSISTANT ENGINEER ASSISTANT EXECUTIVE ENGINEER